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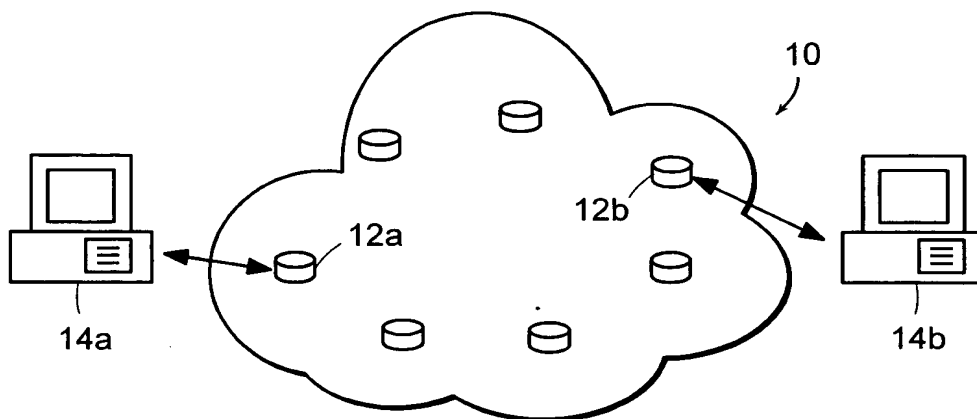


FIG. 1

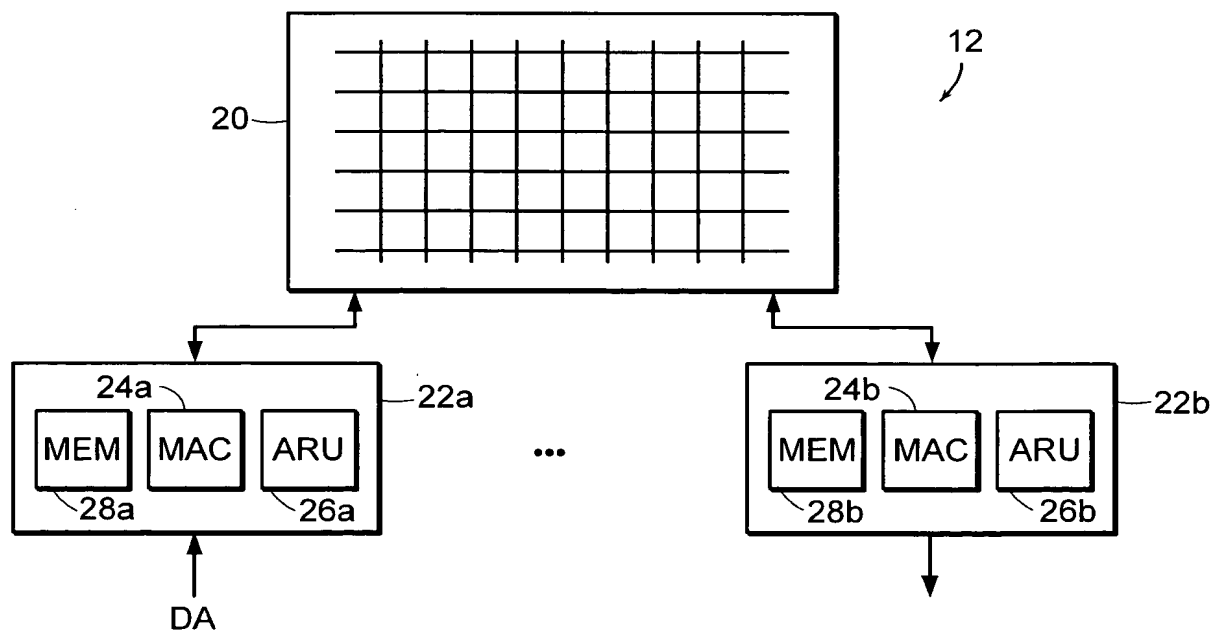


FIG. 2

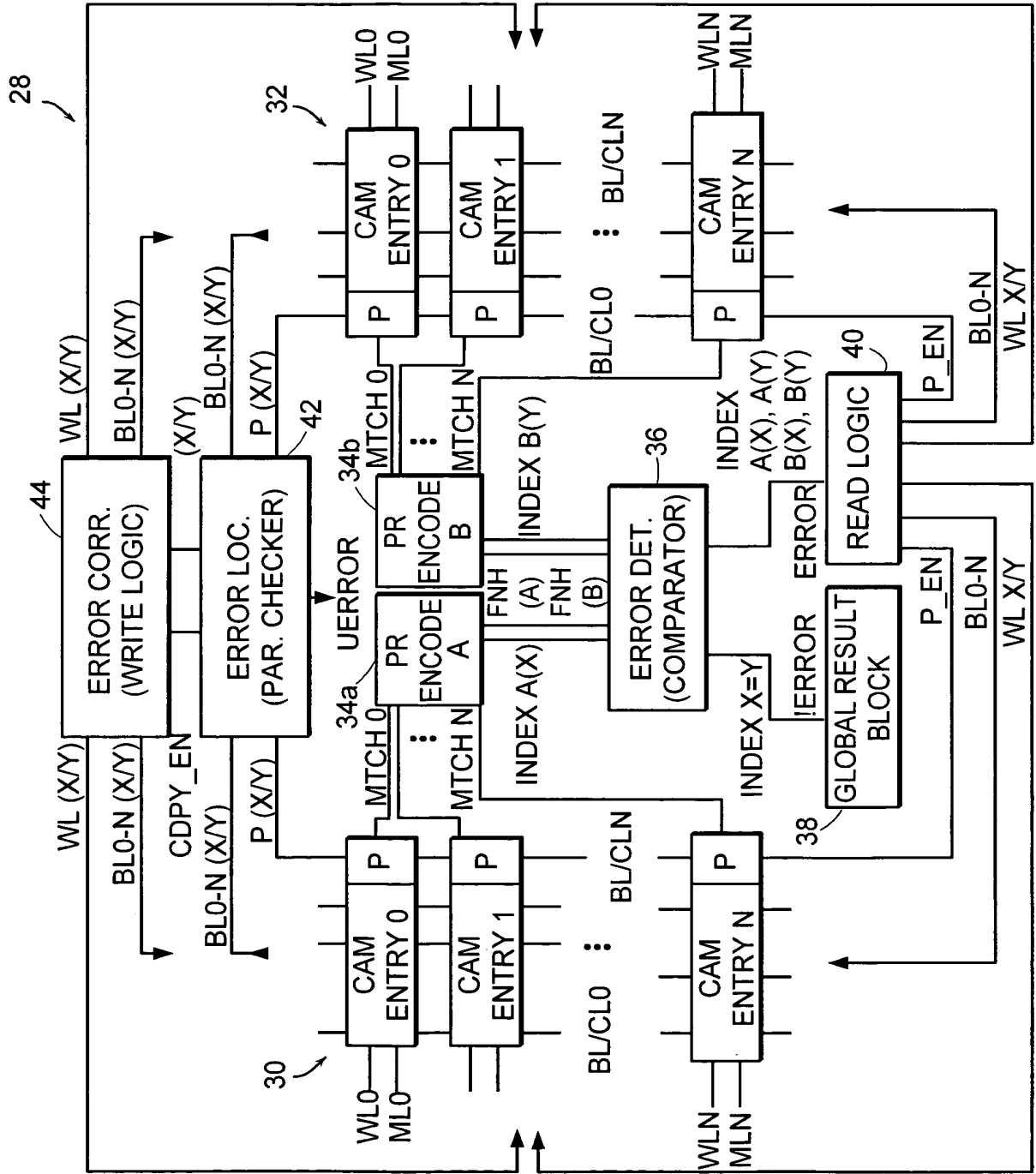


FIG. 3

A		B	
0	0 0 0 0 0	0 0 0 0 0	
1	0 0 0 0 0	0 0 0 0 0	
2	0 0 0 0 1	0 0 0 0 1	
3	0 0 0 0 0	0 0 0 0 0	
4	0 0 0 0 1	0 0 0 0 1	
5	0 0 0 1 1	0 0 0 1 1	
6	0 0 0 1 1	0 0 0 1 1	
7	0 0 0 0 0	0 0 0 0 0	

X Y

$A(X) = B(Y) = 2; \text{! ERROR}$

FIG. 4A

0	0 0 0 0 0		0 0 0 0 0	
1	0 0 0 0 0		0 0 0 0 0	
2	0 0 0 0 0	1	0 0 0 0 1	1
3	0 0 0 0 0		0 0 0 0 0	
4	0 0 0 0 1	1	0 0 0 0 1	1
5	0 0 0 1 1		0 0 0 1 1	
6	0 0 0 1 1		0 0 0 1 1	
7	0 0 0 0 0		0 0 0 0 0	

MISS Y

X

$A(X) = 4; B(Y) = 2; \text{ERROR}$
 $\text{READ} \Rightarrow A(X), A(Y), B(X), B(Y)$

FIG. 4B

0	0 0 0 0 0	0	0 0 0 0 1	0
1	0 0 0 0 0		0 0 0 0 0	
2	0 0 0 0 1	1	0 0 0 0 1	1
3	0 0 0 0 0		0 0 0 0 0	
4	0 0 0 0 1		0 0 0 0 1	
5	0 0 0 1 1		0 0 0 1 1	
6	0 0 0 1 1		0 0 0 1 1	
7	0 0 0 0 0		0 0 0 0 0	

HIT, Y

X

$A(X) = 2, B(Y) = 0; \text{ERROR}$
 $\text{READ} \Rightarrow A(X), A(Y), B(X), B(Y)$

FIG. 4C

A		B	
	P FNH		P FNH
0	0 0 0 0 0 1 1	0 0 0 0 1 1 1	X HIT
1	0 0 0 0 0 0	0 0 0 0 0 0 0	
2	0 0 0 0 1 1 0	0 0 0 0 1 1 0	
3	0 0 0 0 0 0	0 0 0 0 0 0	
4	0 0 0 0 1 1 0	0 0 0 0 1 1 0	Y
5	0 0 0 1 1 0	0 0 0 1 1 0	
6	0 0 0 1 1 0	0 0 0 1 1 0	
7	0 0 0 0 0 0	0 0 0 0 0 0	

$A(X) = 2, B(Y) = 4$; ERROR
 READ=> $A(X), A(Y), B(X), B(Y)$
 READ=> FNH="1" => $A(0), B(0)$

FIG. 5

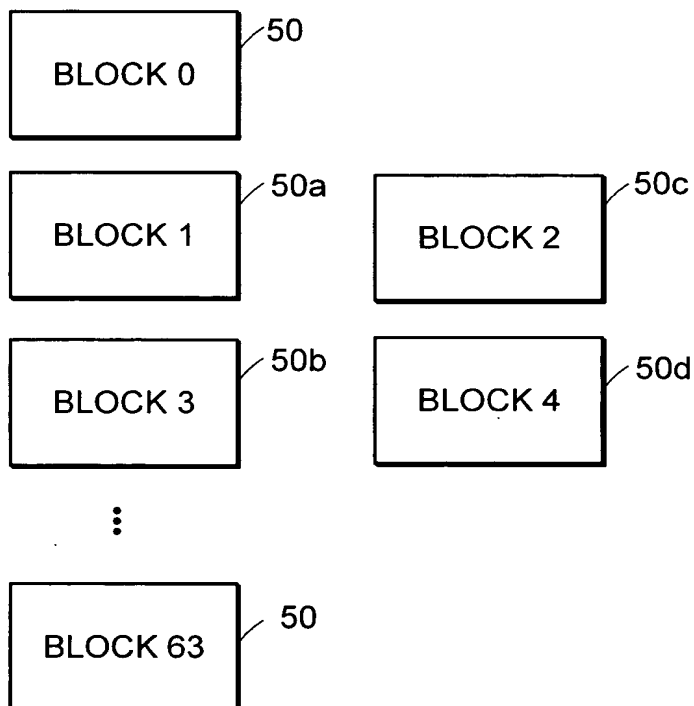


FIG. 6

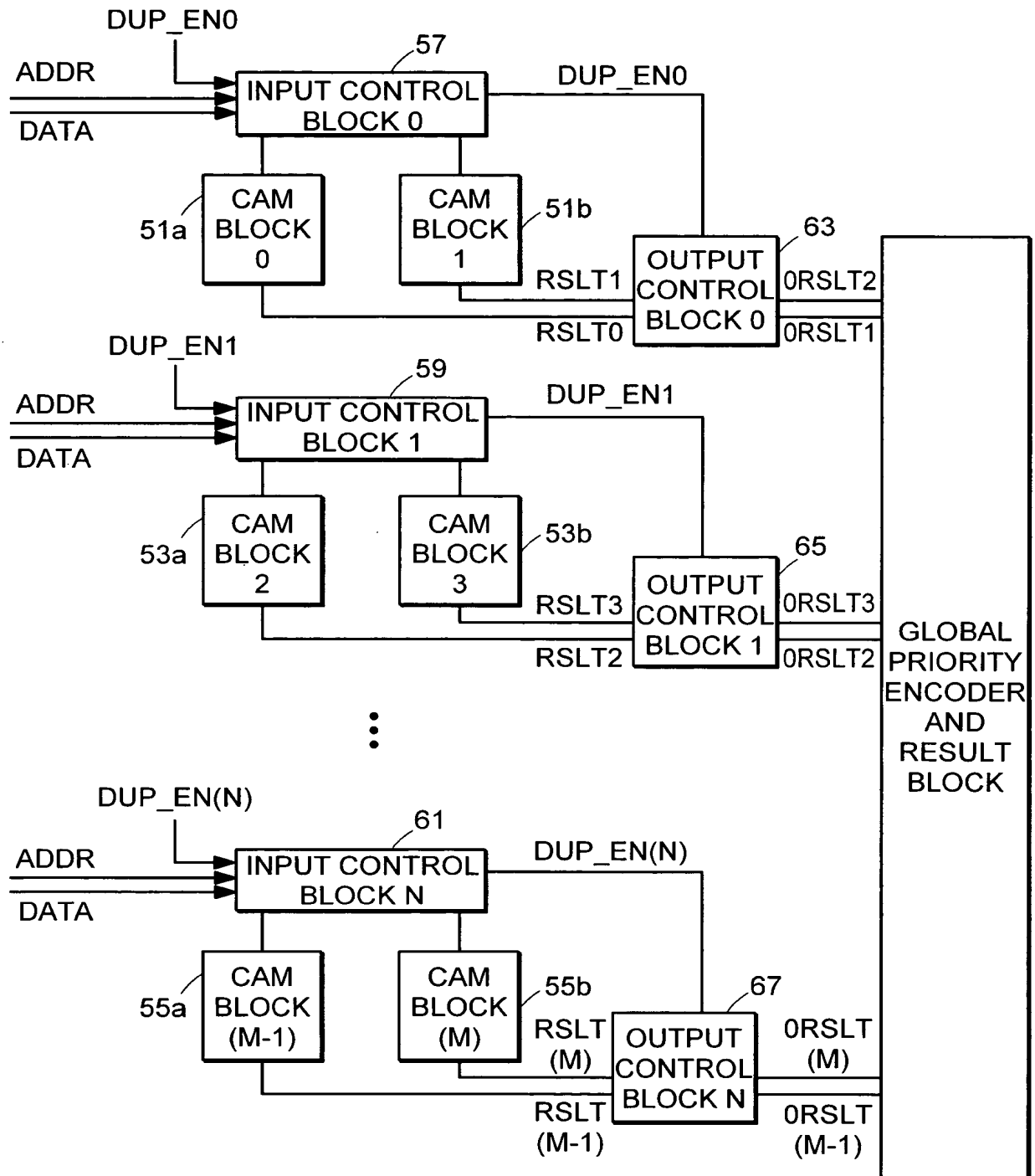


FIG. 7

